

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (currently amended): A biochemical analysis unit, comprising:

i) a base plate, which has a plurality of holes,

and

ii) a porous adsorptive material, which is filled in each of the plurality of the holes of the base plate and forms each of a plurality of adsorptive regions,

wherein each of the adsorptive regions ~~is provided with~~ comprises a first layer and a second layer,

a which has pores having a comparatively small mean pore diameter of the first layer is larger than a, ~~and layer, which has pores having a comparatively large mean pore diameter of the~~ second layer.

2. (currently amended): A biochemical analysis unit as defined in Claim 1 wherein the layers first and the second layer of one of said, ~~which constitute each of the~~ adsorptive regions is connected with a first and a second layer corresponding to an adjacent one of said adsorptive regions, ~~are connected with the layers, which~~

~~constitute an adjacent adsorptive region,~~ at one of surfaces of the base plate, and

the biochemical analysis unit further comprises a signal absorbing layer for absorbing a signal positioned below the base plate such that the first layer, the second layer and the signal absorbing layer is present below the base plate outside of the adsorptive regions and the signal absorbing layer is present below the first and the second layer in the adsorptive regions, ~~which passes through layers located under the base plate and thus propagates from a certain hole of the base plate toward an adjacent hole of the base plate.~~

3. (currently amended): A biochemical analysis unit as defined in Claim 1 wherein, ~~in cases where the mean pore diameter of the pores of the layer, which has the pores having a comparatively large mean pore diameter, is taken as 1, the mean pore diameter of the pores of the layer, which has the pores having a comparatively small mean pore diameter, a ratio of the mean pore diameter of the second layer to the mean pore diameter of the first layer is at most 0.7.~~

4. (currently amended): A biochemical analysis unit as defined in Claim 2 wherein, ~~in cases where the mean pore diameter of the pores of the layer, which has the pores having a comparatively large mean pore diameter, is taken as 1, the mean pore diameter of the pores of the layer, which has the pores having a comparatively small mean pore diameter, a ratio of the mean pore diameter of the second layer to the mean pore diameter of the first layer is at most 0.7.~~

5. (original): A biochemical analysis unit as defined in Claim 1 wherein the base plate is constituted of a material having radiation attenuating properties and/or light attenuating properties.

6. (original): A biochemical analysis unit as defined in Claim 2 wherein the base plate is constituted of a material having radiation attenuating properties and/or light attenuating properties.

7. (original): A biochemical analysis unit as defined in Claim 3 wherein the base plate is constituted of a material having radiation attenuating properties and/or light attenuating properties.

8. (original): A biochemical analysis unit as defined in Claim 4 wherein the base plate is constituted of a material having radiation attenuating properties and/or light attenuating properties.